

GenCore version 5.1.6 Sequence 2087, Ap
Copyright (c) 1993 - 2004 Compugen Ltd. Sequence 861, App
OM nucleic - nucleic search, using sw model Sequence 70, App
Run on: August 6, 2004, 11:42:53 ; Search time 664 Seconds Sequence 3170, Ap
(without alignments) Sequence 30250, A
Title: US-09-927-091-3_COPY_2500_3826 Sequence 274, App
Perfect score: 1327 Sequence 454, App
Sequence: 1 tccacatgtttcacaggtag.....aaaaaaa 1327 Sequence 163, App
Scoring table: IDENTITY_NUC Sequence 255225,
Gapoff 10.0 , Gapext 1.0 Sequence 255924,
Searched: 3222919 seqs, 2451570024 residues Sequence 255925,
Total number of hits satisfying chosen parameters: 6445838 Sequence 172935,
Minimum DB seq length: 0 Sequence 91, App
Maximum DB seq length: 2000000000 Sequence 63, App
Post-processing: Minimum Match 0% Sequence 172935,
Maximum Match 100% Sequence 91, App
Listing First 45 summaries Sequence 63, App
Database :
1: Published Applications NA.*
1: /cgm2_6_ptodata/1/pubpna/1/pubpna/US07_PUBCOMB.seq: *
2: /cgm2_6_ptodata/1/pubpna/1/pubpna/PCT_NEW_PUB.seq: *
3: /cgm2_6_ptodata/1/pubpna/1/pubpna/US06_PUBCOMB.seq: *
4: /cgm2_6_ptodata/1/pubpna/1/pubpna/US06_PUBCOMB.seq: *
5: /cgm2_6_ptodata/1/pubpna/1/pubpna/US07_NEW_PUB.seq: *
6: /cgm2_6_ptodata/1/pubpna/1/pubpna/PCCTS_PUBCOMB.seq: *
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17: /cgm2_6_ptodata/1/pubpna/1/pubpna/US10_NEW_PUB.seq: *
18: /cgm2_6_ptodata/1/pubpna/1/pubpna/US60_NEW_PUB.seq: *
19: /cgm2_6_ptodata/1/pubpna/1/pubpna/US60_PUBCOMB.seq: *

RESULT 1
US-09-927-091-3
; Sequence 3, Application US/09927091
; Patent No. US00020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; ATTORNEY OR AGENT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: USC:6511US
; CURRENT APPLICATION NUMBER: US/09/927-091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 6/0/227, 560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 6/0/225, 033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3826
; TYPE: DNA
; ORGANISM: Human
US-09-927-091-3

ALIGNMENTS

SUMMARIES

* Query Match Length DB ID Description
Result No. Score

1 1327 100.0 3826 9 US-09-927-091-3 Sequence 3, Appli
2 1308 98.6 2343 9 US-09-927-091-3 Sequence 7, Appli
3 1306.4 98.4 30676 9 US-09-927-091-8 Sequence 8, Appli
4 1281 96.5 30625 9 US-09-927-091-5 Sequence 5, Appli
C 5 454.6 34.3 610 16 US-10-027-632-100265 Sequence 100265,
C 6 454.6 34.3 610 16 US-10-027-632-100265 Sequence 100265,
C 7 60 4.5 60 10 US-09-908-975-16197 Sequence 16197, A
C 8 54 4.1 480 10 US-09-918-975-9316 Sequence 9396, Ap
C 9 48.2 3.6 455 13 US-10-027-632-183220 Sequence 183220,
C 10 48.2 3.6 455 13 US-10-027-632-183221 Sequence 183221,
C 11 48.2 3.6 455 13 US-10-027-632-183222 Sequence 183222,
C 12 48.2 3.6 455 16 US-10-027-632-183220 Sequence 183220,
C 13 48.2 3.6 455 16 US-10-027-632-183221 Sequence 183221,
C 14 48.2 3.6 455 16 US-10-027-632-183222 Sequence 183222

SUMMARIES

* Query Match Length DB ID Description
Result No. Score

1 1327 100.0 3826 9 US-09-927-091-3 Sequence 3, Appli
2 1308 98.6 2343 9 US-09-927-091-7 Sequence 7, Appli
3 1306.4 98.4 30676 9 US-09-927-091-8 Sequence 8, Appli
4 1281 96.5 30625 9 US-09-927-091-5 Sequence 5, Appli
C 5 454.6 34.3 610 13 US-10-027-632-100265 Sequence 100265,
C 6 454.6 34.3 610 16 US-10-027-632-100265 Sequence 100265,
C 7 60 4.5 60 10 US-09-908-975-16197 Sequence 16197, A
C 8 54 4.1 480 10 US-09-918-975-9316 Sequence 9396, Ap
C 9 48.2 3.6 455 13 US-10-027-632-183220 Sequence 183220,
C 10 48.2 3.6 455 13 US-10-027-632-183221 Sequence 183221,
C 11 48.2 3.6 455 13 US-10-027-632-183222 Sequence 183222,
C 12 48.2 3.6 455 16 US-10-027-632-183220 Sequence 183220,
C 13 48.2 3.6 455 16 US-10-027-632-183221 Sequence 183221,
C 14 48.2 3.6 455 16 US-10-027-632-183222 Sequence 183222

SUMMARIES

Qy	841	CATTCCCTAAGGGAAAGTTAGGGGGGTTGGGAACCCACCTGGTTTCCTCCAC	900	Qy	121	GATGCCTGGCCTGTGGAAAGGCCACTCTGGTAGTGTGAGTCACATPATAGTCATGTCCTCA	180
Db	25280	CATTCCCTAAGGGAAAGTTAGGGGGGTTGGGAACCCACCTGGTTTCCTCCAC	25339	Db	23095	GATGCCTGGCCTGTGGAAAGGCCACTCTGGTAGTGTGAGTCACATPATAGTCATGTCCTCA	23154
Qy	901	AGCATCCATCGTGAAGAACCTGGGAGGGTGAGTCACATCTAGGGTTCTGCC	960	Qy	181	CCACCTTCCTGCCAACGGCCAGGGTGGGTATACCCAAGCTGATGAGAG	240
Db	25340	AGCATCCATCGTGAAGAACCTGGGAGGGTGAGTCACATCTAGGGTTCTGCC	25399	Db	23155	CCACCTTCCTGCCAACGGCCAGGGTGGGTATACCCAAGCTGATGAGAG	23214
Qy	961	CTTGGCTTATCCCTGCCAGGGAAACTGGGAGGGTGAGTCACATCTAGGGTTCTGCC	1020	Qy	241	CCCATTAAGCTAAAAGGAAACTGGGAGGGTGAGTCACATCTAGGGTTCTGCC	300
Db	25400	CTTGGCTTATCCCTGCCAGGGAAACTGGGAGGGTGAGTCACATCTAGGGTTCTGCC	25459	Db	23215	CCCATTAAGCTAAAAGGAAACTGGGAGGGTGAGTCACATCTAGGGTTCTGCC	23274
Qy	1021	AATGTCCTCCCACCCCTTAACTCTCTCTAATGTCCTGGCTTAGTTCTGCACITGG	1080	Qy	301	CTCTGACAAGGTTCCAGCCAAACCTCTAGCCAGGCTCTGTAACCTGTCAGCTGCA	360
Db	25460	AATGTCCTCCCACCCCTTAACTCTCTCTAATGTCCTGGCTTAGTTCTGCACITGG	25519	Db	23275	CTCTGACAAGGTTCCAGGGAGGTGTTAAATTAGGACCAAGGACT-GGAGGGCTGTGGC	23334
Qy	1081	TCTCTGACACAAACACACCCATCCAAAGTAGCCGGAAAGGCTAAACAGGGGTTCTAA	1140	Qy	361	GGAGGCTTCCAGGGAGGTGTTAAATTAGGACCAAGGACT-GGAGGGCTGTGGC	419
Db	25520	TCTCTGACACAAACACACCCATCCAAAGTAGCCGGAAAGGCTAAACAGGGGTTCTAA	25579	Db	23335	GGAGGCTTCCAGGGAGGTGTTAAATTAGGACCCAGTGGACTGGCTGTGGC	23394
Qy	1141	AATGGCTTCCCCGCCACCCGGGACTCCTGGCAAAAGGATTGGAGCCCTACCCA	1200	Qy	420	TAGACCCTTGTGAGCTTGGCATCTCTCTGAGTCTGAGTCTCTGAGAAACAGAG	479
Db	25580	AATGGCTTCCCCGCCACCCGGGACTCCTGGCAAAAGGATTGGAGCCCTACCCA	25639	Db	23395	TAACACCCTTGTGAGCTTGGCATCTCTGAGTCTCTGAGAAACAGAG	23454
Qy	1201	ACCCCTCAACTACCAAGATCTGGCCACACCCAGTATTATTAATAATGTTGCCA	1260	Qy	480	CCCATTTGAGCTGCTGTTAAATTAGCAAGGATTAACTACCTGGCCCTCTGAGAACTGAG	539
Db	25640	ACCCCTCAACTACCAAGATCTGGCCACACCCAGTATTATTAATAATGTTGCCA	25699	Db	23455	CCACTTGTAGCTGGCTTAAATTAGCAAGGATTAACTACCTGGCCCTCTGAGAACTGAG	23514
Qy	1261	TCTTATGAGTTATGATCAATTCTGTTAAATTAAAGTACAGATGTC	1308	Qy	540	ATTTGGAAAGAGCTGGAAAGGAGACTCTGTCGAAATTCCAGGACTCCAGGCCAGA	599
Db	25700	TCTTATGAGTTATGATCAATTCTGTTAAATTAAAGTACAGATGTC	25747	Db	23515	ATTTGGAAAGAGCTGGAAAGGAGACTCTGTCGAAATTCCAGGAACTTCCAGGAA	23574
Qy	600	TTCATCATGTCCTGTGACCAAGGAAACTGGCCCTCTGAGAAAGCTGAGAACTGAG	659	Qy	600	TTCATCATGTCCTGTGACCAAGGAAACTGGCCCTCTGAGAAAGCTGAGAACTGAG	659
Db	23575	TTCATCATGTCCTGTGACCAAGGAAACTGGCCCTCTGAGAAAGCTGAGAACTGAG	23634	Db	23575	TTCATCATGTCCTGTGACCAAGGAAACTGGCCCTCTGAGAAAGCTGAGAACTGAG	23634
Qy	660	AAAGCTGTGACTNCAGAACCTGGCTCCCTCTGCCAGCTGCTCCGCAATAGATGT	719	Qy	660	AAAGCTGTGACTNCAGAACCTGGCTCCCTCTGCCAGCTGCTCCGCAATAGATGT	719
Db	23635	AAAGCTGTGACTNCAGAACCTGGCTCCCTCTGCCAGCTGCTCCGCAATAGATGT	23694	Db	23635	AAAGCTGTGACTNCAGAACCTGGCTCCCTCTGCCAGCTGCTCCGCAATAGATGT	23694
Qy	720	CCCTAGGGCTGCCCTCTCCCACTCTACTCAGTCTCCCAATCTAAATTTCAGAGAT	779	Qy	720	CCCTAGGGCTGCCCTCTCCCACTCTACTCAGTCTCCCAATCTAAATTTCAGAGAT	779
Db	23695	CCCTAGGGCTGCCCTCTCCCACTCTACTCAGTCTCCCAATCTAAATTTCAGAGAT	23754	Db	23695	CCCTAGGGCTGCCCTCTCCCACTCTACTCAGTCTCCCAATCTAAATTTCAGAGAT	23754
Qy	780	TCTTTTGGGGAACTTAAGTCAAGTCAACCTGGTCAACCTTGTGAAATTGAAATG	839	Qy	780	TCTTTTGGGGAACTTAAGTCAAGTCAACCTGGTCAACCTTGTGAAATTGAAATG	839
Db	23755	TCTTTTGGGGAACTTAAGTCAAGTCAACCTGGTCAACCTTGTGAAATTGAAATG	23874	Db	23755	TCTTTTGGGGAACTTAAGTCAAGTCAACCTGGTCAACCTTGTGAAATTGAAATG	23874
Qy	840	TCTTTCCTAGAGGAAGTTAGTCAGTCAACCTGGCTGGAGCAAGCCCACCTGCTCC	899	Qy	840	TCTTTCCTAGAGGAAGTTAGTCAGTCAACCTGGCTGGAGCAAGCCCACCTGCTCC	899
Db	23815	TCTTTCCTAGAGGAAGTTAGTCAGTCAACCTGGCTGGAGCAAGCCCACCTGCTCC	959	Db	23815	TCTTTCCTAGAGGAAGTTAGTCAGTCAACCTGGCTGGAGCAAGCCCACCTGCTCC	959
Qy	900	CAGATCCATCTGTAAGAACCTGGGAGAGCTGGCTGAGTCACATCTAGGTTCTGCC	1019	Qy	900	CAGATCCATCTGTAAGAACCTGGGAGAGCTGGCTGAGTCACATCTAGGTTCTGCC	1019
Db	23875	CAGATCCATCTGTAAGAACCTGGGAGAGCTGGCTGAGTCACATCTAGGTTCTGCC	23934	Db	23875	CAGATCCATCTGTAAGAACCTGGGAGAGCTGGCTGAGTCACATCTAGGTTCTGCC	23934
Qy	960	CCTTGGCTCTCCGCCACTCTGCTGGCTGAGTCACATCTGCTGGCTGG	24054	Qy	960	CCTTGGCTCTCCGCCACTCTGCTGGCTGAGTCACATCTGCTGGCTGG	24054
Db	23935	CCTTGGCTCTCCGCCACTCTGCTGGCTGAGTCACATCTGCTGGCTGG	23934	Db	23935	CCTTGGCTCTCCGCCACTCTGCTGGCTGAGTCACATCTGCTGGCTGG	23934
Qy	1 TCCACAGTGTCAAGGTAGTACCTGGCTTAGGGTGGCTGAGCAACCTCTGCC	60	Qy	1080	GTCCTGTCAGAACACACCCATCCAAAGTGGCTGAGCTAACACAGGGGCTTCCTA	1139	
Db	22975	TCCACAGTGTCAAGGTAGTACCTGGCTTAGGGTGGCTGAGCAACCTCTGCC	23034	Db	24055	GTCCTGTCAGAACACACCCATCCAAAGTGGCTGAGCTAACACAGGGGCTTCCTA	24114
Qy	61 CACCCOCACCAAGAACACTATGGTCTCTACTGTCAGTGT	120	Qy	1140	AAATGGCTGCCGCGCACCGGGGCTCCCTGGCAAAAGGANTTGTAGCCCTACCC	1139	
Db	23035	CACCCOCACCAAGAACATAATGGTCTCTACTGTCAGTGT	23094	Db	24115	AAATGGCTGCCGCGCACCGGGGCTCCCTGGCAAAAGGANTTGTAGCCCTACCC	24174

RESULT 4
US-09-927-091-5

; Sequence 5, Application US/0927091

; Patent No. US20020119541A1

; GENERAL INFORMATION:

; APPLICANT: KILLARY, ANN

; APPLICANT: LOTT, STEVE

; APPLICANT: CHANDLER, DAWN

; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1

; FILE REFERENCE: UTSC-1651US

; CURRENT FILING DATE: 2001-08-09

; PRIOR APPLICATION NUMBER: 60/227,560

; PRIOR APPLICATION NUMBER: 60/225,033

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5

; LENGTH: 30625

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: modified base

; LOCATION: (4754) : (30625)

; OTHER INFORMATION: n = A or C or G or T/U

US-09-927-091-5

Query Match 96.5%; Score 1281; DB 9; Length 30625;

Best Local Similarity 99.2%; Pred. No. 0; Mismatches 10; Indels 1; Gaps 1;

Matches 1298; Conservative 0;

US-09-927-091-5

RESULT 7
 US-09-908-975-16197
 ; Sequence 16197, Application US/09908975
 ; Publication No. US20030165843A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SHOSHAN, Avi
 ; APPLICANT: WASSERMAN, Alon
 ; APPLICANT: MINTZ, Eli
 ; APPLICANT: MINTZ, Liat
 ; APPLICANT: FAIGLER, Simchon
 ; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE FILE REFERENCE: 36688-0005
 CURRENT APPLICATION NUMBER: US/09/908,975
 CURRENT FILING DATE: 2001-07-20
 PRIOR APPLICATION NUMBER: US 60/287,724
 PRIOR FILING DATE: 2001-05-02
 PRIOR APPLICATION NUMBER: US 60/221,607
 PRIOR FILING DATE: 2000-07-28
 NUMBER OF SEQ ID NOS: 32337
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 16197
 LENGTH: 60
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-908-975-16197

Query Match Score 4.5%; Score 60; DB 10; Length 60;
 Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1169 CTGGGCAAAAGGAATTTCAGGCCCTACCCAACTTCAACTACCGAAC 1228
 Db 1 CTGGGCAAAAGGAATTTCAGGCCCTACCCAACTTCAACTACCGAAC 60

RESULT 8
 US-09-918-995-9396/C
 ; Sequence 9396, Application US/09918995
 ; Publication No. US20030073623A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HYSEQ, Inc.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
 ; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
 ; FILE REFERENCE: 20011-736
 ; CURRENT APPLICATION NUMBER: US/09/918,995
 ; CURRENT FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: US/09/235,076
 ; NUMBER OF SEQ ID NOS: 38054
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 9396
 ; LENGTH: 480
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1) .-. (480)
 ; OTHER INFORMATION: n = A,T,C or G

US-09-918-995-9396

Query Match Score 4.1%; Score 54; DB 10; Length 480;
 Best Local Similarity 66.1%; Pred. No. 1.9e-05;
 Matches 78; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

Qy 468 AGAAAACAGAGGACACTGTAGTGTTAATAGACAGGATTACTACCTGGCCCTG 527
 Db 480 AGAAAACAAAGGGCTTAACTTAATTAAAGGAGAAAATTATACAGATGTAC 421

Qy 528 GTGGCTTGCCTAAATTGTGAAAGGCTGGAGAACAGACTCTGCTGAATTCCAGGA 585

RESULT 9
 US-10-027-632-183220/C
 ; Sequence 183220, Application US/10027632
 ; Publication No. US2002198371A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827.19
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; CURRENT FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-14
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 183220
 ; LENGTH: 455
 ; Query Match Score 3.6%; Score 48.2; DB 13;
 ; Best Local Similarity 60.6%; Pred. No. 0.0011;
 ; Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;
 ; ORGANISM: Human
 ; US-10-027-632-183220

Qy 719 TCTGAGGCTGCCCCCTCCACCTCACTAGTCCCAAATCTRAATTTCACAAAGA 778
 Db 217 TACTGACTCCACCTTTCACAACTATCCTGTTCTRAGTCAGACTCACAAAT 158

Qy 779 TCTGTTGGGCAAACTTAAGTCAGACCTGGCTGAGGGACTCTGGAAAT 838
 Db 157 ATCGATGTGATGAAATTAAATCACTAAAGATGTAATTCAGATGCTGGAAA 98

Qy 839 GTCATT 845
 Db 97 AYATTTC 91

RESULT 10
 US-10-027-632-183221/C
 ; Sequence 183221, Application US/10027632
 ; Publication No. US2002198371A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827.12.9
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; CURRENT FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 183221
 ; LENGTH: 455
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-027-632-183221

Query Match 3.6%; Score 48.2; DB 13; Length 455;
 Best Local Similarity 60.6%; Pred. No. 0.0011;
 Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;

Qy 719 TCTTGAGCCCTGCCACTTCACTACTCAGTCATTAATTTCACAGAGA 778
 Db 217 TACTGACTCACCTCTTCAACATCTCTTGTAACTCTAGCTCACGAGAT 158

Qy 779 TTCTGTTGGGAACTTAAGTCAGATCCAGAACCTTGGCTCAAGGGAGTCGGAAAT 838
 Db 157 ATCTGATGATGGAATTAACTACATCAAAGATGTAGTCAGGGCTCTGGAAA 98

Qy 839 GTCAATT 845
 Db 97 AYAAATT 91

RESULT 12
 US-10-027-632-183220/c
 ; Sequence 183220, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827-129
 ; CURRENT APPLICATION NUMBER: US 10/027,632
 ; CURRENT FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-30
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 183220
 ; LENGTH: 455
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-027-632-183220

Query Match 3.6%; Score 48.2; DB 16; Length 455;
 Best Local Similarity 60.6%; Pred. No. 0.0011;
 Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;

Qy 719 TCTTGAGCCCTGCCACTTCACTACTCAGTCATTAATTTCACAGAGA 778
 Db 217 TACTGACTCACCTCTTCAACATCTCTTGTAACTCTAGCTCACGAGAT 158

Qy 779 TTCTGTTGGGAACTTAAGTCAGATCCAGAACCTTGGCTCAAGGGAGTCGGAAAT 838
 Db 157 ATCTGATGATGGAATTAACTACATCAAAGATGTAGTCAGGGCTCTGGAAA 98

Qy 839 GTCAATT 845
 Db 97 AYAAATT 91

RESULT 13
 US-10-027-632-183221/c
 ; Sequence 183221, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827-129
 ; CURRENT APPLICATION NUMBER: US 10/027,632
 ; CURRENT FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 183221
 ; LENGTH: 455
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-027-632-183221

Query Match 3.6%; Score 48.2; DB 13; Length 455;
 Best Local Similarity 60.6%; Pred. No. 0.0011;
 Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;

Qy 719 TCTTGAGCCCTGCCACTTCACTACTCAGTCATTAATTTCACAGAGA 778
 Db 217 TACTGACTCACCTCTTCAACATCTCTTGTAACTCTAGCTCACGAGAT 158

Qy 779 TTCTGTTGGGAACTTAAGTCAGATCCAGAACCTTGGCTCAAGGGAGTCGGAAAT 838

PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 183221
 LENGTH: 455

TYPE: DNA
 ORGANISM: Human
 US-10-027-632-183221

Query Match 3.6%; Score 48.2; DB 16; Length 455;
 Best Local Similarity 60.6%; Pred. No. 0_0011;
 Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;

Qy 719 TCTGTAGGCTGCCCTTCCACTTCAGTCAGTCACCAAACTCTAAATTACAGAGA 778
 Db 217 TACTGATCACCCTCTTCCAAACTAACTCTGGTTCTAGTCAGACTCACAGAAAT 158

Qy 779 TTCTGTGGGGAACTTAAGTCAGATCCAGAACCTGGCTGGAGGAGTCGGAAAT 838
 Db 157 ATCTGATGTGATGGAATTCAAGATGCTGAGGGGGCTCGGAAA 98

Qy 839 GTCATT 845
 : |||||
 Db 97 AYAAATT 91

RESULT 14
 US-10-027-632-183222/c
 Sequence 183222, Application US/10027632
 Publication No. US20030204075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108B27_129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 LENGTH: 455
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-183222

Query Match 3.6%; Score 48.2; DB 16; Length 455;
 Best Local Similarity 60.6%; Pred. No. 0_0011;
 Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;

Qy 719 TCTGTAGGCTGCCCTTCCACTTCAGTCAGTCACCAAACTCTAAATTACAGAGA 778
 Db 217 TACTGATCACCCTCTTCCAAACTAACTCTGGTTCTAGTCAGACTCACAGAAAT 158

Qy 779 TTCTGTGGGGAACTTAAGTCAGATCCAGAACCTGGCTGGAGGAGTCGGAAAT 838
 Db 157 ATCTGATGTGATGGAATTCAAGATGCTGAGGGGGCTCGGAAA 98

Qy 839 GTCATT 845
 : |||||
 Db 97 AYAAATT 91

RESULT 15
 US-10-424-599-2087/c
 Sequence 2087, Application US/10424599
 Publication No. US20040031072A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J
 APPLICANT: Kovacic, David K
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(53223) B
 CURRENT APPLICATION NUMBER: US/10/424,599
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 285684
 SEQ ID NO: 2087
 LENGTH: 543
 TYPE: DNA
 ORGANISM: Glycine max
 FEATURE:
 OTHER INFORMATION: Clone ID: PAT_MRT3847_10188C.1
 US-10-424-599-2087

Query Match 3.3%; Score 44.4; DB 13;
 Best Local Similarity 58.2%; Pred. No. 0_018;
 Matches 78; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 1194 TACCCCAAACCCCTCAACTACCAAACTGGGCCACCCAGGAGTATTTTATAAATG 1253
 Db 171 TCCCCCCCCCCTTTCTCTAGCTGGAAAAAGCCCCCTTTTTTTAAATT 112

Qy 1254 TTGCCCATTTATGACTTATGCTCAATTGTTAAAGTCAAAAAA 1313
 Db 111 TTGCCCTCTTTTGSTAAAAAAGAAAAAAAGAAAAAA 52

Qy 1314 AAAAAGAAAAAA 1327
 Db 51 AAAAAAA 38

Search completed: August 6, 2004, 14:09:48
 Job time : 668 secs

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OM nucleic - nucleic search, using sw model

Run on: August 6, 2004, 05:16:45 ; Search time 117 Seconds
 Perfect score: 1327 Sequence: 1 tccacatggtcacagtag.....aaaaaaa 1327

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6_ptodata/2/ina/5A_COMB.seq/*
 2: /cgn2_6_ptodata/2/ina/5B_COMB.seq/*
 3: /cgn2_6_ptodata/2/ina/6A_COMB.seq/*
 4: /cgn2_6_ptodata/2/ina/6B_COMB.seq/*
 5: /cgn2_6_ptodata/2/ina/PCUS_COMB.seq/*
 6: /cgn2_6_ptodata/2/ina/backfiles.seq/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	41.2	3.1	597	4 US-09-621-976-17621	Sequence 17621, A
c 2	41	3.1	323	4 US-09-621-976-10374	Sequence 10374, A
c 3	39.8	3.0	572	4 US-09-696-169A-12	Sequence 12, Appl
c 4	38.8	2.9	2134	2 US-08-483-151-3	Sequence 3, Appl
c 5	38.8	2.9	2134	5 PCT-US96-06427-3	Sequence 3, Appl
c 6	38.6	2.9	1174	1 US-07-869-933-10	Sequence 10, Appl
c 7	38.6	2.9	1174	3 US-09-103-663-10	Sequence 10, Appl
c 8	38.6	2.9	2469	3 US-09-111-730-5	Sequence 5, Appl
c 9	38.2	2.9	8920	2 US-08-446-855A-1	Sequence 1, Appl
c 10	38.2	2.9	8920	3 US-09-150-741-1	Sequence 1, Appl
c 11	38	2.9	2371	2 US-08-343-443B-1	Sequence 1, Appl
c 12	38	2.9	7664	4 US-10-204-708-84	Sequence 84, Appl
c 13	37.8	2.8	1217	4 US-09-227-716-17	Sequence 17, Appl
c 14	37.8	2.8	4160	4 US-09-609-161B-17	Sequence 17, Appl
c 15	37.6	2.8	262	4 US-09-621-976-17925	Sequence 17925, A
c 16	37.2	2.8	1785	2 US-08-307-485A-6	Sequence 6, Appl
c 17	37.2	2.8	1785	2 US-08-465-809-1	Sequence 1, Appl
c 18	37.2	2.8	1785	2 US-09-621-976-17925	Sequence 137, App
c 19	37	2.8	2920	4 US-10-158-847-137	Sequence 427, App
c 20	36.4	2.7	567	3 US-09-385-982-427	Sequence 2, Appl
c 21	36.2	2.7	1797	3 US-09-157-603-2	Sequence 2, Appl
c 22	36.2	2.7	1797	3 US-09-587-436-2	Sequence 2, Appl
c 23	36.2	2.7	1797	4 US-08-927-165A-2	Sequence 2, Appl
c 24	36	2.7	268	4 US-09-621-976-73	Sequence 73, Appl
c 25	36	2.7	6124	4 US-08-213-419B-3	Sequence 3, Appl
c 26	36	2.7	7724	4 US-08-486-049-1	Sequence 1, Appl
c 27	35.6	2.7	1365	4 US-09-614-912-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1 US-09-621-976-17621/C

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; Sequence 17621, Application US/09621976
; GENERAL INFORMATION:
;   Patent No. 6639063
;   APPLICANT: Dumas Milne Edwards, J.B.
;   APPLICANT: Jobert, S.
;   APPLICANT: Giordano, J.Y.
;   TITLE OF INVENTION: ESTs and Encoded Human Proteins.
;   FILE REFERENCE: GENSET 054PR2
;   CURRENT APPLICATION NUMBER: US/09/621, 976
;   NUMBER OF SEQ ID NOS: 19335
;   SOFTWARE: Patent.pm
;   SEQ ID NO: 17621
;   LENGTH: 597
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   US-09-621-976-17621

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Query Match 3.1%; Score 41.2%; DB 4; Length 597;

Matches	Best Local Similarity	Conservative	No. Mismatches	Indels	3;	Gaps	1;
QY	665	TGCTGACCTGGAGACTGGCTCCCTCGCCACGGTCCGTGCAAGCCATAATAGTCCTGA	724				
Db	165	TGCTGACAGCAGATGACACAGTATAATTCTCTATAATGCCAGAAATAATGTTTAT	106				
QY	725	GGCTGGCCCTCCACTCTCAGTTCCCAATTAATTTCAAGAGATTCTGT	784				
Db	105	ATCCCTGTTTCCTCATTTACTCTCTTCTACAGGCAAATGGCCTGTGAGATCT	46				
QY	785	TTCGGGGAACTAAGTCAGATCAGATCAGACCTGGCTGCAAGGGT	830				
Db	45	GT---GGATCTAAATCTATCAGGACCCAGGCTATCTGGAAATC	3				

RESULT 2 US-09-621-976-10374

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; Sequence 10374, Application US/09621976
; GENERAL INFORMATION:
;   Patent No. 6639063
;   APPLICANT: Dumas Milne Edwards, J.B.
;   APPLICANT: Jobert, S.
;   APPLICANT: Giordano, J.Y.
;   TITLE OF INVENTION: ESTs and Encoded Human Proteins.
;   FILE REFERENCE: GENSET 054PR2
;   CURRENT APPLICATION NUMBER: US/09/621, 976
;   CURRENT FILING DATE: 2000-07-21
;   NUMBER OF SEQ ID NOS: 19335

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; SOFTWARE: Patent.pm
; SEQ ID NO: 10374
; LENGTH: 323
; TYPE: DNA
; ORGANISM: Homo sapiens
US-9-621-976-10374

Query Match 3 -1%; Score 41; DB 4; Length 323;
Best Local Similarity 53.2%; Fred. No. 0.019; Gaps 1;
Matches 109; Conservative 0; Mismatches 95; Indels 1;
Software: PatentIn Release #1.0, Version #1.30
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,151
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35-238
; REFERENCE/DOCKET NUMBER: 00786/278001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2134 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-483-151-3

Query Match 3 -2.9%; Score 38.8; DB 2; Length 2134;
Best Local Similarity 64.4%; Pred. No. 0.25;
Matches 58; Conservative 0; Mismatches 32; Indels 0;
Gaps 0;
Software: PatentIn Release #1.0, Version #1.30
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/06427
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35-238
; REFERENCE/DOCKET NUMBER: 00786/278W01
; TELECOMMUNICATION INFORMATION:
; US-09-696-169A-12
; Sequence 12, Application US/09696169A
; General Information:
; Patent No. 6572859
; Applicant: VALENTA, Rudolf et al.
; Title of Invention: NON-ANAPHYLACTIC FORMS OF GRASS POLLEN PH1 P 6 ALLERGEN AND THEIR
FILE REFERENCE: 1614-0244P
CURRENT APPLICATION NUMBER: US/09/696,169A
CURRENT FILING DATE: 2002-05-06
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn version 3.0
SEQ ID NO 12
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Phleum pratense
; US-09-696-169A-12

Query Match 3 -3.0%; Score 39.8; DB 4; Length 572;
Best Local Similarity 64.8%; Pred. No. 0.06; Gaps 0;
Matches 59; Conservative 0; Mismatches 32; Indels 0;
Software: PatentIn Release #1.0, Version #1.30
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/06427
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35-238
; REFERENCE/DOCKET NUMBER: 00786/278W01
; TELECOMMUNICATION INFORMATION:
; RESULT 4
; TITLE OF INVENTION: FUOSYLTRANSFERASE GENES AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; Sequence 3, Application US/08483151
; Patent No. 5858752
; General Information:
; Applicant: Seed, Brian
; Applicant: Holgerson, Jan
; Applicant: Fish & Richardson P.C.
; Street: 225 Franklin Street
; City: Boston
; State: MA
; Country: USA
; Zip: 02110-2804
; Software: PatentIn Release #1.0, Version #1.30
; Current Application Data:
; Application Number: PCT/US96/06427
; Filing Date: 07-JUN-1995
; Classification:
; Attorney/Agent Information:
; Name: Lech, Karen F.
; Registration Number: 35-238
; Reference/Docket Number: 00786/278W01
; Telecommunication Information:
; US-08-483-151-3
; Sequence 3, Application US/08483151
; General Information:
; Applicant: Seed, Brian
; Applicant: Holgerson, Jan
; Applicant: Fish & Richardson P.C.
; Street: 225 Franklin Street
; City: Boston
; State: MA
; Country: USA
; Zip: 02110-2804
; Software: PatentIn Release #1.0, Version #1.30
; Current Application Data:
; Application Number: PCT/US96/06427
; Filing Date: 07-JUN-1995
; Classification:
; Attorney/Agent Information:
; Name: Lech, Karen F.
; Registration Number: 35-238
; Reference/Docket Number: 00786/278W01
; Telecommunication Information:

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TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEX: 200154
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2134 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: cDNA
 PCT-US96-06427-3

Query Match 2.9%; Score 38.8; DB 5; Length 2134;
 Best Local Similarity 64.4%; Pred. No. 0.25;
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1238 ATTTTATTAAATGTGCCATTATGAGTTATGATAATTGTTAATTAAGT 1297
 Db 2040 ATTGGTTCCTCTGCTTCTATGTTCTATAACCTGGATTAACTATTAAT 2099
 Qy 1298 TACAGTGTAAAAA..... 1327
 Db 2100 TACAGTGTAAA..... 2129

RESULT 6
 US-07-869-933-10
 Sequence 10, Application US/07869933
 / GENERAL INFORMATION:
 / APPLICANT: KINET, Jean-Pierre
 / TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF
 / THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
 / NUMBER OF SEQUENCES: 34
 / TITLE OF INVENTION: IMMUNOGLOBULIN
 / CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 1800 Diagonal Road, Suite 500
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22313-0299
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/869,933
 FILING DATE: 19920416
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: BENT, Stephen A.
 REGISTRATION NUMBER: 29,768
 REFERENCE/DOCKET NUMBER: 40399/154 NIH
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-9300
 TELEX: (703) 683-4109
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1174 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: double
 TOPOLOGY: Linear
 MOLECULE TYPE: cDNA
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 107..880

Query Match 2.9%; Score 38.6; DB 1; Length 1174;
 Best Local Similarity 63.4%; Pred. No. 0.21;
 Qy 1235 AGTATTATTTAAATGTGCCATTATGAGTTATGATAATTGTTAATTAAGT 1294
 Db 1080 AGATGAAATGATTCTATTAGCCTTGAAAGATGTTCAATTCAATAATAA 1139
 Qy 1295 AGTTACAGATGTAAAAA..... 1327
 Db 1140 TATAAACCATGTAAA..... 1172

RESULT 7
 US-09-103-663-10
 Sequence 10, Application US/09103663D
 / GENERAL INFORMATION:
 / APPLICANT: Kinet et al.
 / TITLE OF INVENTION: Isolation, characterization, and use of the human beta
 / TITLE OF INVENTION: subunit of the high affinity receptor for
 / TITLE OF INVENTION: immunoglobulin E.
 / FILE REFERENCE: 50490
 / CURRENT APPLICATION NUMBER: US/09/103 , 663D
 / EARLIER APPLICATION NUMBER: 07/869, 933
 / CURRENT FILING DATE: 1998-06-23
 / EARLIER FILING DATE: 1992-04-16
 / NUMBER OF SEQ ID NOS: 35
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO 10
 / LENGTH: 1174
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (107)..(880)

US-09-103-663-10

Query Match 2.9%; Score 38.6; DB 3; Length 1174;
 Best Local Similarity 63.4%; Pred. No. 0.21;
 Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1235 AGTATTATTTAAATGTGCCATTATGAGTTATGATAATTGTTAATTAAGT 1294
 Db 1080 AGATGAAATGATTCTATTAGCCTTGAAAGATGTTCAATTCAATAATAA 1139
 Qy 1295 AGTTACAGATGTAAAAA..... 1327
 Db 1140 TATAAACCATGTAAA..... 1172

RESULT 8
 US-09-111-730-5
 Sequence 5, Application US/09111730
 / GENERAL INFORMATION:
 / APPLICANT: Hideharu Anazawa
 / APPLICANT: Hiroko Shimada
 / APPLICANT: Seiji Sugimoto
 / APPLICANT: Toshimasa Shinki
 / APPLICANT: Tatsuo Suda
 / APPLICANT: Yuzuru Ishimura
 / APPLICANT: Matsuiko Hayashi
 / APPLICANT: Toshiaki Monkawa
 / APPLICANT: Tadashi Yoshida
 / APPLICANT: Shu Wakino
 / APPLICANT: Takao Saruta
 / APPLICANT: Hiromichi Suzuki
 / TITLE OF INVENTION: 25-HYDROXYVITAMIN D3-1-a-HYDROXYLASE AND DNA ENCODING THE HYDROXYL
 / FILE REFERENCE: 1074
 / CURRENT APPLICATION NUMBER: US/09/111 , 730
 / CURRENT FILING DATE: 1998-07-08
 / NUMBER OF SEQ ID NOS: 9
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 5

; LENGTH: 2469
; TYPE: DNA
; ORGANISM: Rat
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (24) .. (1526)
; US-09-111-730-5

Query Match 2.9%; Score 38.6; DB 3; Length 2469;
Best Local Similarity 59.6%; Pred. No. 0.31; Indels 0; Gaps 0;
Matches 65; Conservative 0; Mismatches 44;

US-09-150-741-1
Sequence 1, Application US/09150741
; Sequence 1, Application US/09150741
; Patent No. 618396
; GENERAL INFORMATION:
; APPLICANT: Stewart et al.
; TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
; Patent No. 618396
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/150-741
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PL6380
; EARLIER FILING DATE: 1992-12-16
; EARLIER APPLICATION NUMBER: AU93/00617
; EARLIER FILING DATE: 1993-12-02
; EARLIER APPLICATION NUMBER: 08/446,855
; EARLIER FILING DATE: 1995-07-06
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8920
; TYPE: DNA
; ORGANISM: Plasmodium falciparum

US-09-150-741-1

Query Match 2.9%; Score 38.2; DB 3; Length 8920;
Best Local Similarity 63.7%; Pred. No. 0.86; Indels 0; Gaps 0;
Matches 58; Conservative 0; Mismatches 33; Gaps 0;

QY 1219 TCTGGGCCACCCAGGATTTAAATGTTGCCATTATGAGTTATGATCA 1278
DB 2352 TCTGCACCCAGCCTGTGTTTATTTAATTAATTTTCAATAA 2411

QY 1279 ATTGTATTAATAAAGTTACAGATGTCAAAAAAA 1327
Db 2412 AATGTTTACTCCCTGTAAAAAAA 2460

RESULT 9
US-08-446-855A-1
; Sequence 1, Application US/08446855A
; Patent No. 584573
; GENERAL INFORMATION:
; APPLICANT: Stewart, Thomas S
; APPLICANT: Flores, Maria V
; APPLICANT: O'Sullivan, William J
; TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
; TITLE OF INVENTION: Phosphatase synthetase II
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vandehyne PC
; STREET: 1100 No. 5849573th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,855A
; FILING DATE: 06-Jul-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29,009
; REFERENCE/DOCKET NUMBER: 47-80
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic
; US-08-446-855A-1

Query Match 2.9%; Score 38.2; DB 2; Length 8920;
Best Local Similarity 63.7%; Pred. No. 0.86; Indels 0; Gaps 0;
Matches 58; Conservative 0; Mismatches 33; Gaps 0;

QY 1237 TATTTTATTAAATGTTGCCATTATGAGTTATGATCAATTGTTAAATTAAG 1296
Db 545 TATTTTATTAAATTTATTATTTCTTAGTTTCTTAGTTTCAATAA 604

QY 1297 TTACAGTGTCAAAAAAAA 1327
Db 605 TTCTACTAATTTAAATTTAAAAAAA 635

RESULT 11
US-08-313-443B-1
; Sequence 1, Application US/08343443B
; Patent No. 5968734
; GENERAL INFORMATION:
; APPLICANT: Aurias, Alain
; APPLICANT: Delattre, Olivier
; APPLICANT: Desmae, Chantal
; APPLICANT: Meiot, Thomas
; APPLICANT: Peter, Martine
; APPLICANT: Ploougaster, Beatrice
; APPLICANT: Thomas, Gilles
; APPLICANT: Zucman, Jessica
; TITLE OF INVENTION: NUCLEIC ACID CORRESPONDING TO A GENE OF CHROMOSOMAL
; TITLE OF INVENTION: CHROMOSOME 22 INVOLVED IN RECURRENT TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS
; TITLE OF INVENTION: TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SAID
; TITLE OF INVENTION: TRANSLOCATIONS
; NUMBER OF SEQUENCES: 129
; CORRESPONDENCE ADDRESS:
; ADDRESSE: Weiser & Associates
; STREET: 230 South Fifteenth Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

QY

SOFTWARE: EDIT 1.0 DOS text editor
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/343,443B
 FILING DATE: 18-NOV-1994
 CLASSIFICATION: 514
 PRIORITY INFORMATION:
 APPLICATION NUMBER: PCT/FR93/00494
 FILING DATE: 19-MAY-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: FR 92/06123
 FILING DATE: 20-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Weiser, Gerard J.
 REGISTRATION NUMBER: 19,763
 REFERENCE/DOCKET NUMBER: 989-6121P

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-875-8383
 TELEX/FAX: 215-875-3394

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
 LENGTH: 2371 base Pairs
 STRANDEDNESS: double
 TOPOLOGY: Linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 25..1992

US-08-343-443B-1

Query Match 2.9%; Score 38; DB 4; Length 7664;
 Best Local Similarity 62.8%; Pred. No. 0.91; Indels 0; Gaps 0;
 Matches 59; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

Qy 1231 CAGCAGATTATTTAAATGTTGCCATTATGGTTAATGATTGTATAAA 1290
 Db 858 CACAAATATTACTTAAATTCATTAATTTCAATTAAATCTAAATAA 799

Query Match 2.9%; Score 38; DB 4; Length 7664;
 Best Local Similarity 62.8%; Pred. No. 0.91; Indels 0; Gaps 0;
 Matches 59; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

Qy 1291 TAAAGTTACAGATGTCAAAAAAAAAAAAAAA 1324
 Db 798 TAAATAATGAAATTAAATACAAAAA 765

RESULT 13
 US-09-277-716-17

; Sequence 17, Application US/09277716A
 ; Patent No. 6232107
 ; GENERAL INFORMATION:
 ; APPLICANT: Bryan, Bruce
 ; APPLICANT: Szent-Gyorgyi, Christopher
 ; TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
 ; CURRENT APPLICATION NUMBER: US/09/277,716A
 ; CURRENT FILING DATE: 1999-03-26
 ; EARLIER APPLICATION NUMBER: 60/102,939
 ; EARLIER FILING DATE: 1998-10-01
 ; EARLIER APPLICATION NUMBER: 60/089,367
 ; EARLIER FILING DATE: 1998-06-15
 ; EARLIER APPLICATION NUMBER: 60/079,624
 ; EARLIER FILING DATE: 1998-03-27
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 17
 ; LENGTH: 1217
 ; TYPE: DNA
 ; ORGANISM: Renilla mulleri
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (31)..(963)
 ; FEATURE:
 ; OTHER INFORMATION: Renilla mulleri luciferase
 US-09-277-716-17

Query Match 2.9%; Score 38; DB 2; Length 2371;
 Best Local Similarity 59.1%; Pred. No. 0.46; Indels 0; Gaps 0;
 Matches 65; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 1218 ATCTGGCCACCCGAGATTATTAAATTTGGCCATTTTAGTTATGATC 1277
 Db 2259 ATGGGAGAACGAGGGCTCTAACGTAACATGCTGGTGTGTTT 2318

Query Match 2.9%; Score 38; DB 2; Length 2368
 Best Local Similarity 59.1%; Pred. No. 0.46; Indels 0; Gaps 0;
 Matches 65; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 1278 AATTGTATTAATTAAGTTACAGTGTCAAAAAAA 1327
 Db 2319 TTTCCTTTAAATTCCTAAATGTTTAAATAAAAAA 2368

RESULT 12
 US-10-204-708-84/C

; Sequence 84, Application US/10204708
 ; Patent No. 667731
 ; GENERAL INFORMATION:
 ; APPLICANT: OLEK, Alexander
 ; APPLICANT: PIEPENBRICK, Christian
 ; APPLICANT: BERLIN, Kurt
 ; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
 ; FILE REFERENCE: 5013_1012
 ; CURRENT APPLICATION NUMBER: US/10/204,708
 ; CURRENT FILING DATE: 2003-05-06
 ; PRIORITY APPLICATION NUMBER: PCT/EP01/03971
 ; PRIOR FILING DATE: 2001-04-06
 ; PRIOR APPLICATION NUMBER: DE 10019058.8
 ; PRIOR FILING DATE: 2000-04-06
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: DE 10032529.7
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR FILING DATE: 2000-09-01
 ; NUMBER OF SEQ ID NOS: 98
 ; SEQ ID NO 84
 ; LENGTH: 7664
 ; TYPE: DNA
 ; FEATURE: Artificial Sequence
 ; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
 ; OTHER INFORMATION: SCREENING AND NOVELTY ITEMS
 ; FILE REFERENCE: 24-29-121B
 ; CURRENT APPLICATION NUMBER: US/09/609,161B
 ; CURRENT FILING DATE: 2000-06-30
 ; PRIORITY APPLICATION NUMBER: US/09/277,716
 ; PRIOR FILING DATE: 1999-03-26

RESULT 14
 US-09-609-161B-17

; Sequence 17, Application US/09609161B
 ; Patent No. 636682
 ; GENERAL INFORMATION:
 ; APPLICANT: Bryan, Bruce
 ; APPLICANT: Szent-Gyorgyi, Christopher
 ; APPLICANT: PROLINE, LTD.
 ; TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
 ; TITLE OF INVENTION: AND FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIGH
 ; TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS
 ; FILE REFERENCE: 24-29-121B
 ; CURRENT APPLICATION NUMBER: US/09/609,161B
 ; CURRENT FILING DATE: 2000-06-30
 ; PRIORITY APPLICATION NUMBER: US/09/277,716
 ; PRIOR FILING DATE: 1999-03-26

US-10-204-708-84

